Amendments to the Claims

1. *(Currently Amended)*   A network ~~(5)~~ for locating a wireless tag ~~(61, 62)~~, said network comprising a plurality of independent wireless nodes ~~(4)~~, each node being included in a layer or respective layer unit ~~(3)~~ for installation inside a building ~~(2)~~ and configured to be wirelessly connectable to at least one other node such that when said layer or layer units are installed, said plurality of nodes have a determinable spaced arrangement and provide overlapping wireless coverage for locating said tag by reference to said spaced arrangement.

2. *(Original)*   A network according to claim 1, wherein said layer comprises a floor covering.

3. *(Currently Amended)*   A network according to ~~claim 1 or 2~~ claim 1, wherein said layer comprises a carpet underlay.

4. *(Currently Amended)*   A network according to claim 1, wherein layer units ~~(3)~~ include tiles for covering a floor.

5. *(Currently Amended)*   A network according to ~~claim 1 or 4~~ claim 1, wherein said layer units include tiles for covering a ceiling.

6. *(Currently Amended)*   A network according to ~~any preceding claim~~ claim 1, wherein said spaced arrangement comprises a regular pattern of nodes.

7. *(Currently Amended)*   A network according to ~~any preceding claim~~ claim 1, wherein each wireless node includes means for receiving ~~(14)~~ a wireless signal and means ~~(14)~~ for transmitting a wireless signal.

8. *(Currently Amended)*   A network according to ~~any preceding claim~~ claim 1, wherein each wireless node includes means ~~(15)~~ for determining a range to a neighbouring wireless mode.

9. *(Currently Amended)*   A network according to claim 8, wherein said means for determining a range comprises means (17) for determining a time of arrival of a received signal.

10. *(Currently Amended)*   A network according to ~~claim 8 or 9~~claim 8, wherein said means for determining a range comprises means for determining a value of signal strength of a received signal.

11. *(Currently Amended)*   A network (5) for locating a wireless tag (6₁, 6₂), said network comprising:

a layer for installation inside a building; and

a plurality of independent wireless nodes (4) included in said layer, each node configured to be wirelessly connectable to at least one other node.

12. *(Currently Amended)*   A network element for forming part of a network (5) for locating a wireless tag, said network element comprising:

a layer unit (3) for installation inside a building; and

an independent wireless node (4) included in said layer unit and configured to be wirelessly connectable to at least one other node.

13. *(Currently Amended)*   A network according to claim 11 further comprising means (37) for generating power for a wireless node.

14. *(Currently Amended)*   A network or a network element according to claim 13, wherein said means (37) for generating power comprises a piezoelectric crystal.

15. *(Currently Amended)*   A network according to claim 11 or a network element according to claim 12, further comprising means (38) for receiving power for a wireless node from an external source.

16. *(Currently Amended)*   A network or a network element according to claim 15, wherein said means (38) for receiving power comprises inductive means.

16. *(Currently Amended)* A network or a network element according to claim 15, wherein said means ~~(38)~~ for receiving power comprises inductive means.

17. *(Currently Amended)* A method of locating a wireless tag ~~(6₁, 6₂)~~ using a network ~~(5)~~ comprising a plurality of independent wireless nodes ~~(4)~~, each node being included in a layer or respective layer unit ~~(3)~~ installed inside a building and configured to be wirelessly connectable to at least one other node, the method comprising:

determining a spaced arrangement of said wireless nodes; and

determining the location of said wireless tag with reference to said spaced arrangement.

18. *(Currently Amended)* A method according to claim 17, wherein determining said spaced arrangement of said wireless nodes comprises:

transmitting a first message ~~(34)~~ from a first node ~~(4₅)~~, said first message identifying said first node;

noting a time of arrival of said first message at a second node ~~(4₁)~~; and

transmitting a second message ~~(35₁)~~ from said second node, said second message identifying said first and second nodes, the time of arrival of said first message and a time of transmission of said second message.

19. *(Currently Amended)* A method according to claim 18, further comprising:

transmitting a message ~~(36)~~ from said first node identifying the location of said first node within said spaced arrangement.

20. *(Currently Amended)* A method of operating a wireless node ~~(4)~~ included in a layer or respective layer unit ~~(3)~~ installed inside a building ~~(2)~~ and configured to be wirelessly connectable to at least one other node, the method comprising:

co-operating with said at least one other node so as to determine location of said wireless node within a spaced arrangement of wireless nodes and

co-operating with a wireless tag (6₁ 6₂) so as to determine location of said wireless tag with reference to said spaced arrangement of wireless nodes.

21. *(Currently Amended)*   A   computer   program   (20)   comprising instructions which, when executed by data processing apparatus (4), causes said data processing apparatus to perform the method according to claim 20.